

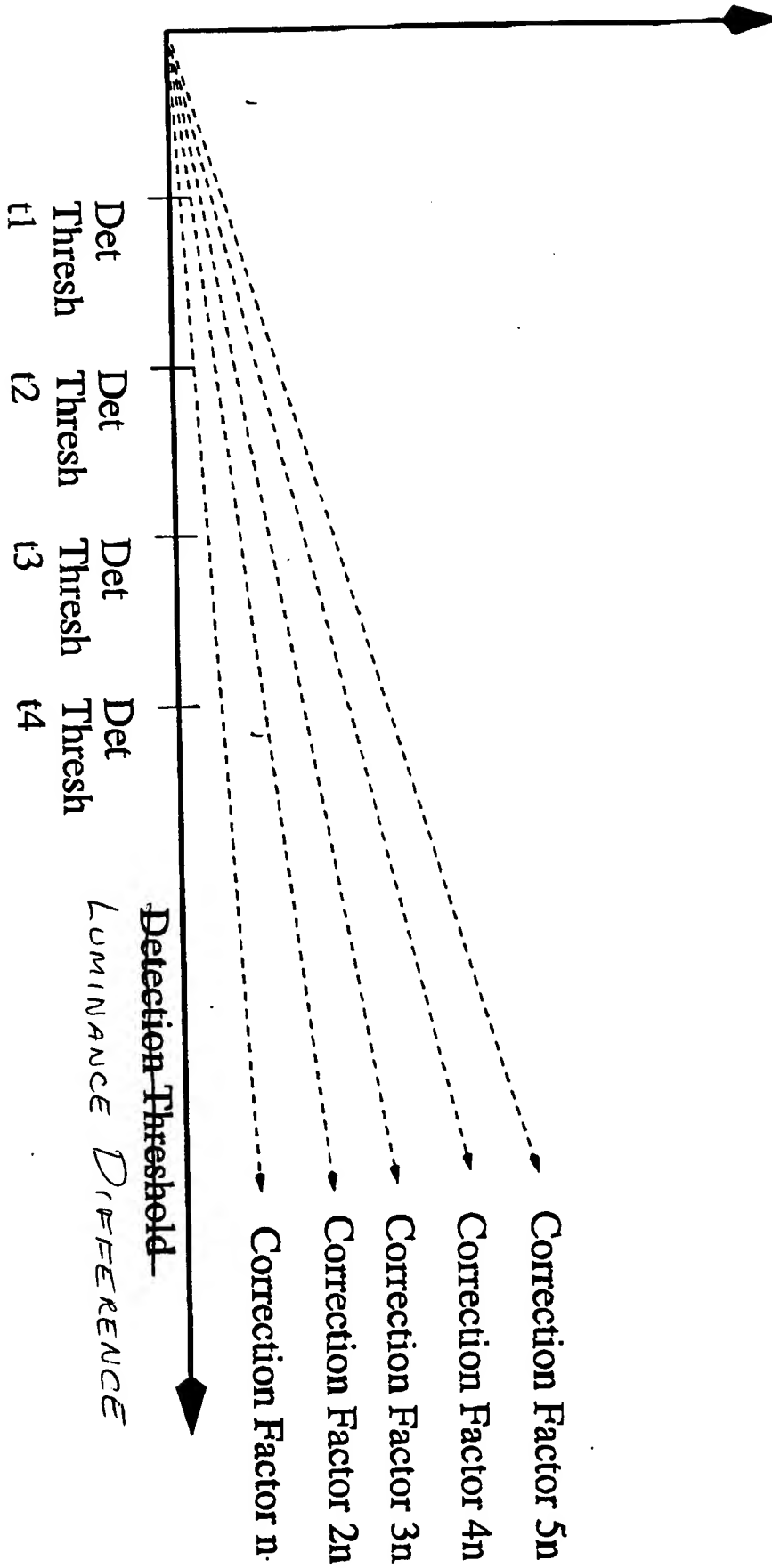
A. HRUSECKY ET AL

Correction Amount



CURV 1

Correction Amount

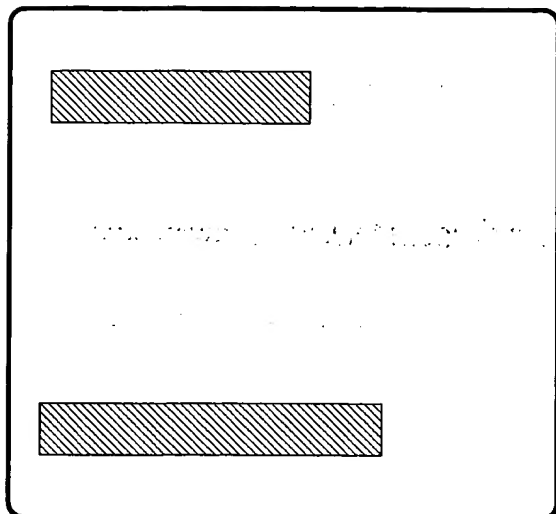


CUKV 2

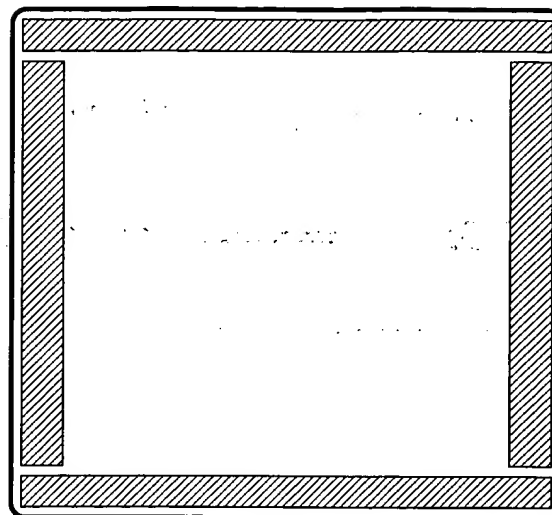
FIGURE 2

[illegible]

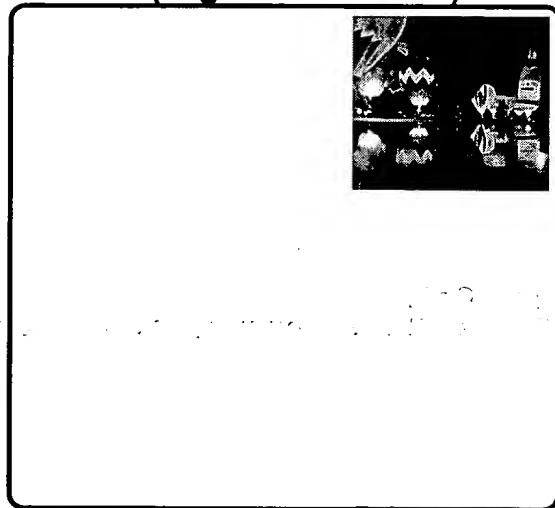
Plane 1 (e.g. Graphics)



Plane 2 (e.g. Graphics)



Plane 3 (e.g. Scaled Video)



Plane 4 (e.g. Graphics)

Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text
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Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text
Plane 4 text Plane 4 text Plane 4 text

Plane 5 (e.g. Video)

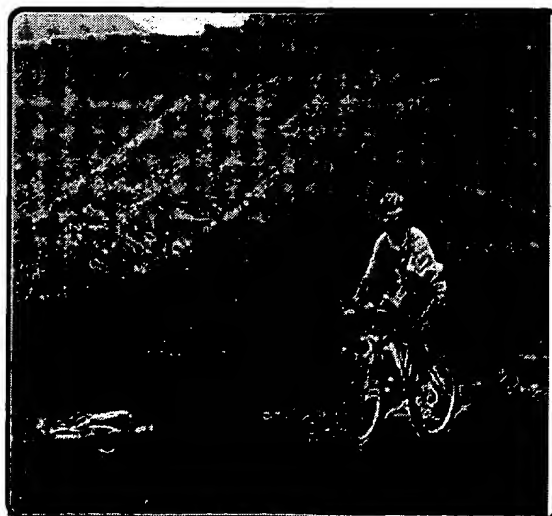


FIGURE 4

5 Plane Composite

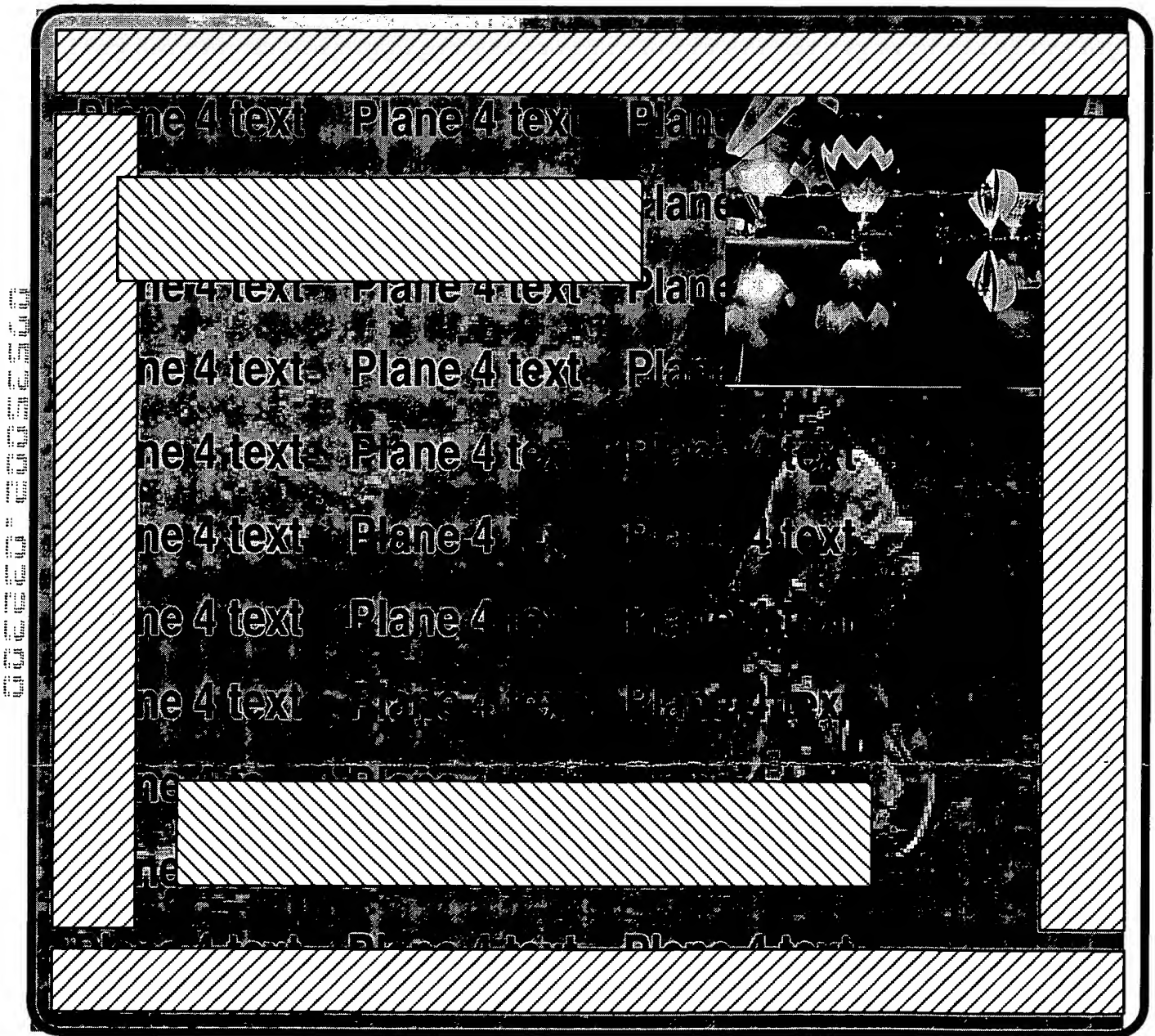
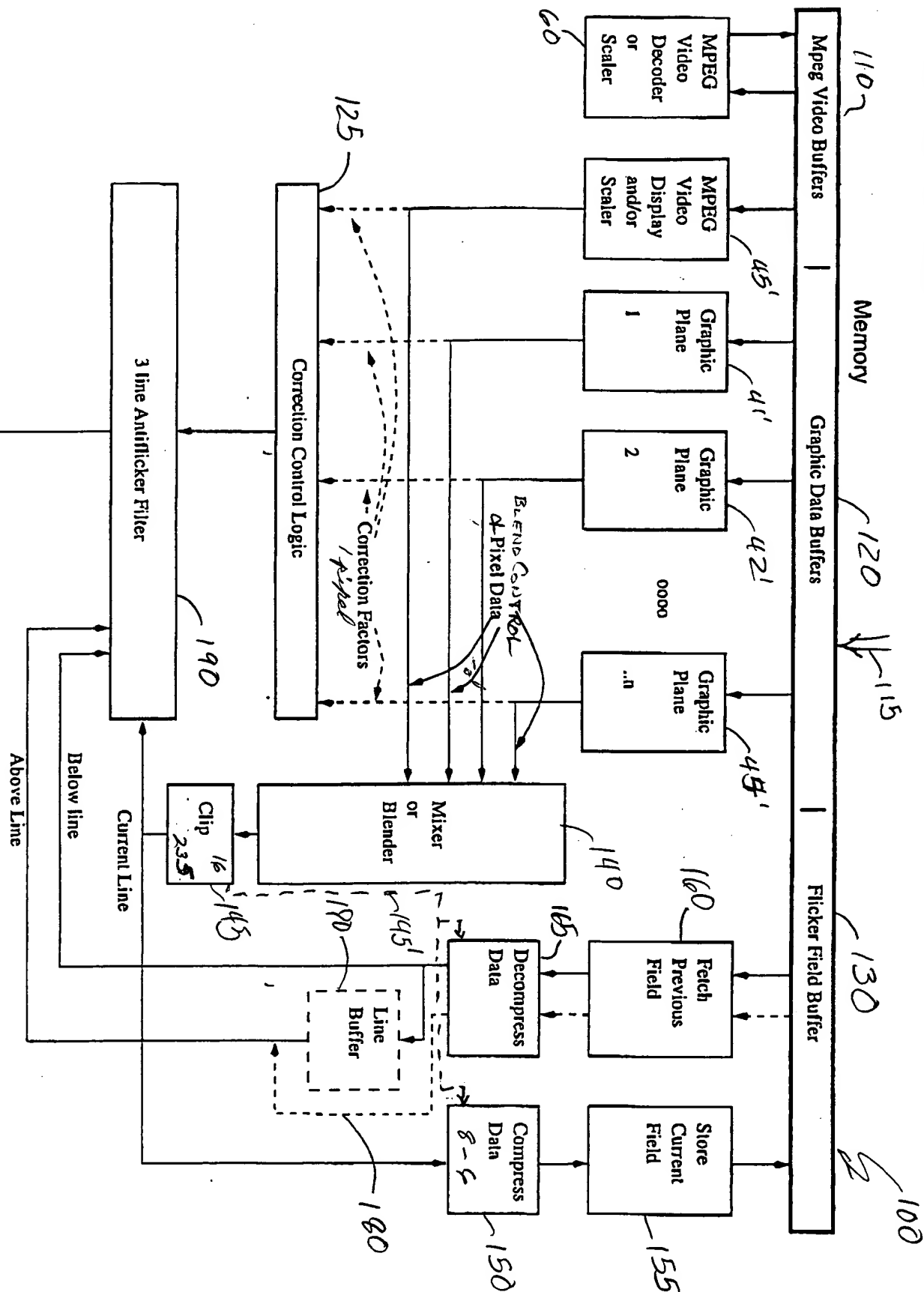


FIGURE 5



Display Output to Digital Encoder

FIGURE 6

Example of Compression using Quantize of 2 bits and 32 Possible Extended Run Codes

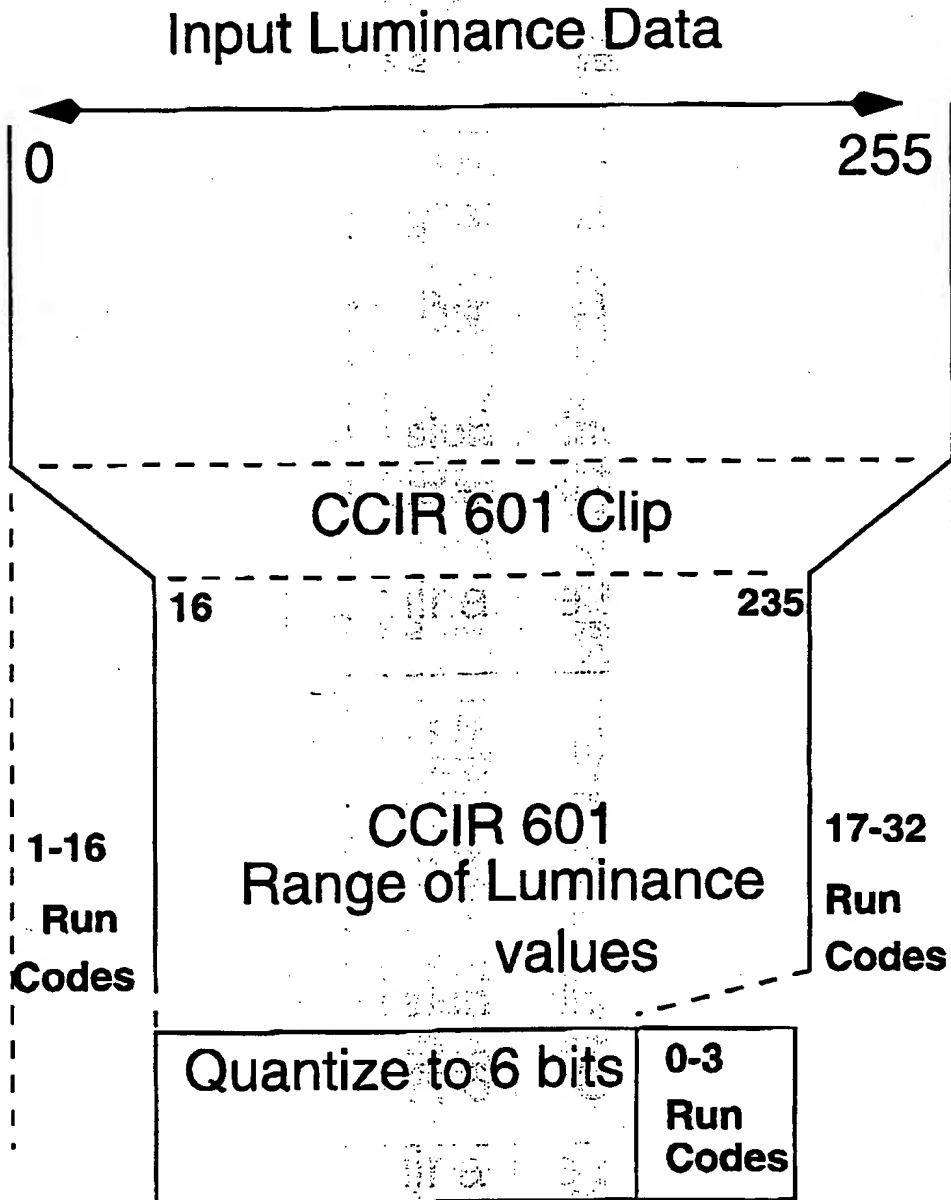


FIGURE 7

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Example of Compression using Quantization of 2 bits with 32 Possible Extended Run Codes

Input Pixel #	Luminance Data(8 bits)	Compressed Data (8 bits)	Compressed Output Data
1	A	A(6 bits) "00"	0
2	B		
3	B	B(6 bits) "01"	1
4	C	C(6 bits) "00"	2
5	D		
6	D		
7	D		
8	D	D(6 bits) "11"	3
9	D		
10	D		
11	D		
12	.		
13	.		
14	.		
15	.		
16	D		
17	D		
18	D		
19	D	"0000" "1111"	4
20	E		
21	E		
22	E		
23	E		
24	E	E(6 bits) "11"	5
25	E		
26	E		
27	E		
28	E		
29	E		
30	.		
31	.		
32	E		
33	E		
34	E	"1111" "1111"	6
35	F		
36	F		
37	F	F(6 bits) "01"	7
38	G		

Note: || means concatenation

FIGURE 8

memory address
location
for compressed
data
in FF
buffer

MSB
LSB
show extended run code
(illegal data value)
run 0-15

18-32

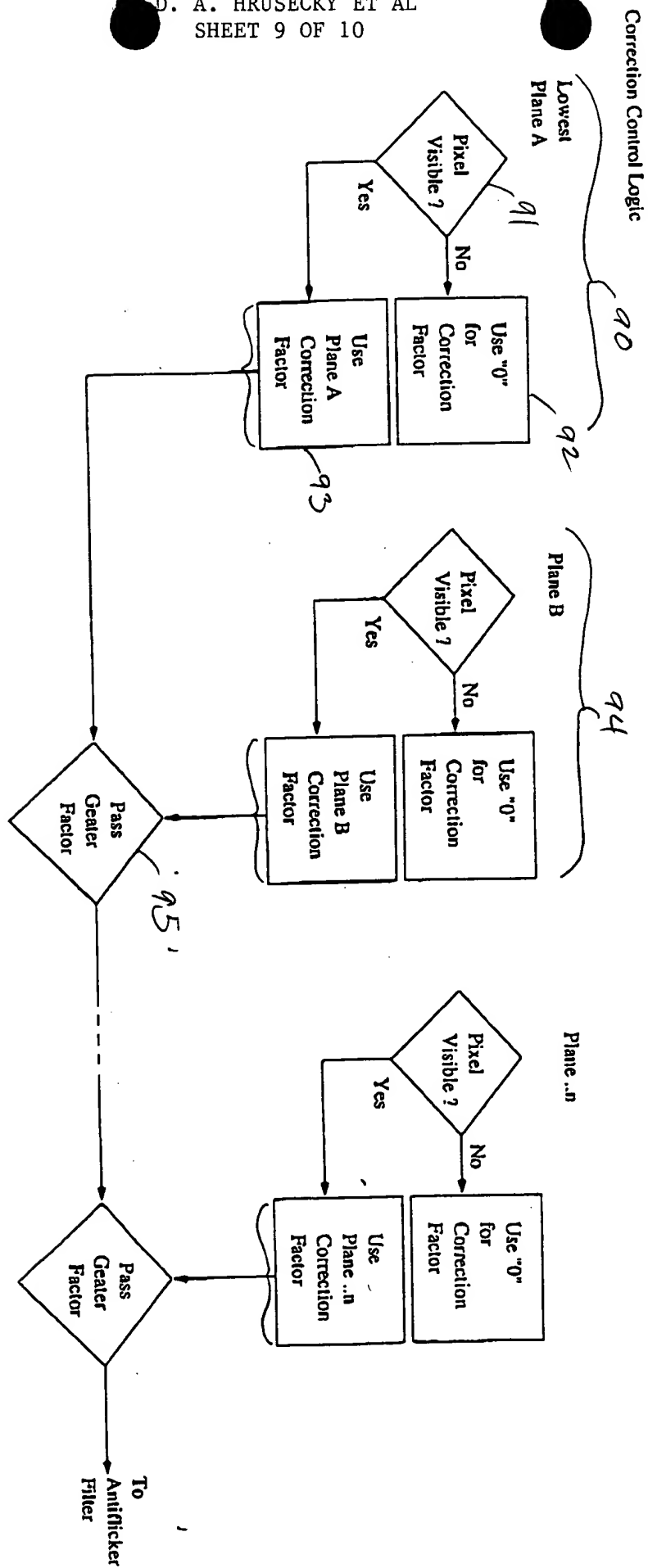


FIGURE 9

Correction Amount

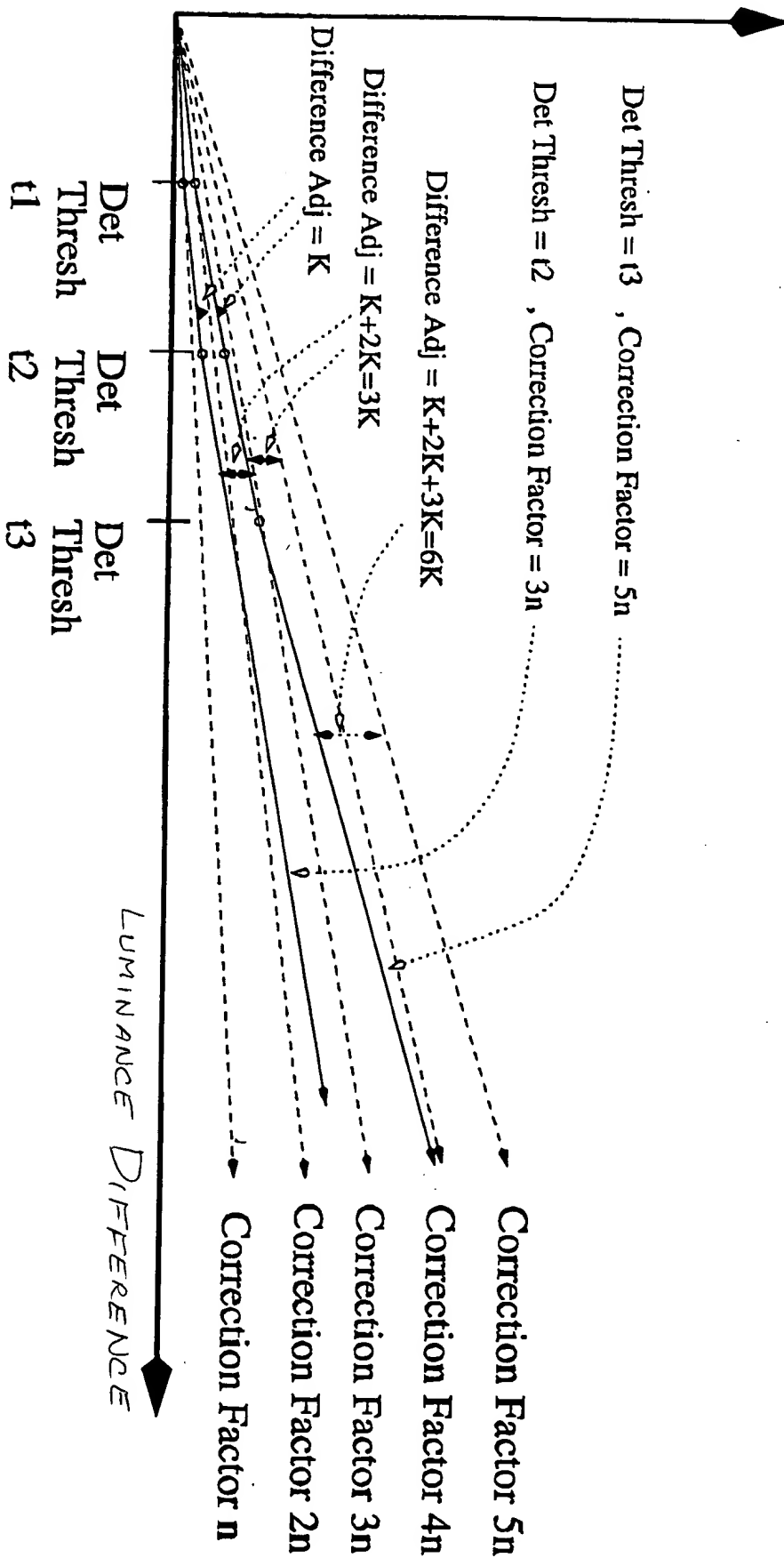


Figure 10

CURV5